SPiRiT Documentation Course

# Current and Future Missions

# 7.C1 Operation and Maintenance – *O&M Program – 2 Points*

- INTENT: Encourage the development of a facility delivery process that enhances efficient operation and maintenance of the facility.
- REQUIREMENTS: Develop a facility operations and maintenance program to include:
  - Commissioning instructions for all facility systems.
  - Comprehensive facility operations and maintenance instructions for system operation, performance verification procedures and results, an equipment inventory, warrantee information, and recommended maintenance schedule. The instructions should include a comprehensive, preventive maintenance program to keep all facility systems functioning as designed.
  - A periodic training program for occupants, facilities managers, and maintenance staff in all facility operations and maintenance activities.
  - Instructions on sustainable cleaning and pest control practices.
  - Develop a comprehensive site/facility recycling/waste management plan.

# 7.C1 Operation and Maintenance – *O&M Program – 2 Points*

- SUBMITTALS: Develop a Facility Operations and Maintenance Manual including sections on facility commissioning requirements, O&M instruction including preventative maintenance, training programs for occupants and personnel, green housekeeping, and recycling/waste management. Specifically address each of the points as outlined.
- PROJECT DOCUMENTS: Separate submittal as above.

# 7.C1 Operation and Maintenance – *Durability – 1 Point*

- INTENT: Encourage the development of a facility delivery process that enhances efficient operation and maintenance of the facility.
- REQUIREMENTS: Provide surfaces, furnishings, and equipment that are appropriately durable, according to life cycle cost analysis.

# 7.C1 Operation and Maintenance – *Durability – 1 Point*

- SUBMITTALS: Develop and provide a copy of a Durable Facility Report listing the appropriate elements of the project and documenting their life cycle cost and durability assessment.
- PROJECT DOCUMENTS:
  - Design Analysis: SAB

# 7.C2 Soldier and Workforce Productivity and Retention – *IEQ – 1 Point*

- INTENT: Provide a high-quality, functional, healthy and safe work environment to promote soldier and workforce productivity and retention.
- REQUIREMENTS: Provide a high quality indoor environment to enhance user/occupant quality of life (QOL).

# 7.C2 Soldier and Workforce Productivity and Retention – *IEQ – 1 Point*

- GENERAL: Develop and provide a copy of a Soldier and Workforce Productivity Report documenting how the requirements of this credit were met. The report should include sections on:
  - Quality of the indoor environment.
  - Functionality of the indoor environment.
  - Health and safety aspects of the indoor environment.
- SUBMITTALS: Provide a narrative of design considerations and steps taken in the design process to enhance the quality of the indoor environment for the building occupants. Reference IEQ Credits earned.
- PROJECT DOCUMENTS:
  - ***Design Analysis:*** SAB

# 7.C2 Soldier and Workforce Productivity and Retention – *Work Environment – 1 Point*

- INTENT: Provide a high-quality, functional, healthy and safe work environment to promote soldier and workforce productivity and retention.
- REQUIREMENTS: Provide a highly functional work environment to promote user/occupant work productivity.

# 7.C2 Soldier and Workforce Productivity and Retention – *Work Environment – 1 Point*

- SUBMITTALS: Provide a narrative of design considerations and steps taken in the design process to enhance the functionality of the indoor environment. Reference IEQ Credits earned and spatial layout.
- PROJECT DOCUMENTS:
  - ***Design Analysis:*** SAB.

# 7.C2 Soldier and Workforce Productivity and Retention – *Health and Safety – 1 Point*

- INTENT: Provide a high-quality, functional, healthy and safe work environment to promote soldier and workforce productivity and retention.
- REQUIREMENTS: Provide a healthy and safe work environment to sustain QOL and productivity.

# 7.C2 Soldier and Workforce Productivity and Retention – *Health and Safety – 1 Point*

- SUBMITTALS: Provide a narrative of design considerations and steps taken in the design process that contribute to the health and safety of the building occupants. Reference IEQ Credits earned and how they meet the requirements.
- PROJECT DOCUMENTS:
  - ***Design Analysis:*** SAB.

# 8.C1 Functional Life of Facility and Supporting Systems – *Projected Function Life – 1 Point*

- INTENT: Assess the functional life of a facility and its supporting systems to optimize the infrastructure investment.
- REQUIREMENTS: Identify how long the designed function is likely to occupy the current facility.

# 8.C1 Functional Life of Facility and Supporting Systems – *Projected Function Life – 1 Point*

- SUBMITTALS: Provide a narrative discussing the mission and designed usage of the project. Include assumptions about the longevity of the mission.
- PROJECT DOCUMENTS:
  - Design Analysis: SAB

# 8.C1 Functional Life of Facility and Supporting Systems – *Projected Systems Life – 1 Point*

- INTENT: Assess the functional life of a facility and its supporting systems to optimize the infrastructure investment.
- REQUIREMENTS: Identify how long the envelope, structure, HVAC, plumbing, communications, electrical, and other systems are likely to last before requiring replacement or upgrade. Consider economic, functional and physical obsolescence.

# 8.C1 Functional Life of Facility and Supporting Systems – *Projected Systems Life – 1 Point*

- SUBMITTALS: Provide a narrative describing the durability and projected life-span of the building structure and envelope, HVAC and plumbing systems, communications and electronic systems, electrical and power systems, and any other germane systems. Include descriptions of any measures taken during the design process to maximize the useful-life of the building.
- PROJECT DOCUMENTS:
  - ***Design Analysis:*** SAB

# 8.C2 Adaptation, Renewal, and Future Uses – *Future Uses – 1 Point*

- INTENT: Encourage facility design that is responsive to change over time to maximize accommodation of future uses without creating waste and insuring maximum useful life of products.
- REQUIREMENTS: Identify possible future uses for the facility; consider alternatives that expand the list of possible future uses. AND Design the building to accommodate as wide a range of future uses, as practical. AND Design the installation of building systems to accommodate foreseeable change with a minimum amount of disruption, cost, and additional materials.

# 8.C2 Adaptation, Renewal, and Future Uses – *Future Uses – 1 Point*

- SUBMITTALS: Provide a narrative describing the design features that add flexibility to the project in terms of possible future adaptive uses of the facility. Include a description of design features that accommodate efficient adaptation and reconfiguration of these systems.
- PROJECT DOCUMENTS:
  - ***Design Analysis:*** SAB

# 8.C2 Adaptation, Renewal, and Future Uses – *Shape and Form – 1 Point*

- INTENT: Encourage facility design that is responsive to change over time to maximize accommodation of future uses without creating waste and insuring maximum useful life of products.
- REQUIREMENTS: Build the smallest facility necessary to meet current mission functional requirements, using the most efficient shape and form, while taking into consideration expansion capabilities and potential future mission requirements. AND Design the facility for recycling of materials and systems.

# 8.C2 Adaptation, Renewal, and Future Uses – *Shape and Form – 1 Point*

- SUBMITTALS: Provide a narrative describing how the design uses the minimal amount of space necessary to adequately meet the current mission and functional requirements while incorporating expansion and adaptation capabilities for future missions. Describe how the project incorporates the concept of future recycling of components.
- PROJECT DOCUMENTS:
  - ***Design Analysis:*** SAB